

इंटरनेट

मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 8262-1 (1976): Specification for Quick release couplings for vacuum pipe lines, Part 1: Screwed type [MED 17: Chemical Engineering Plants and Related Equipment]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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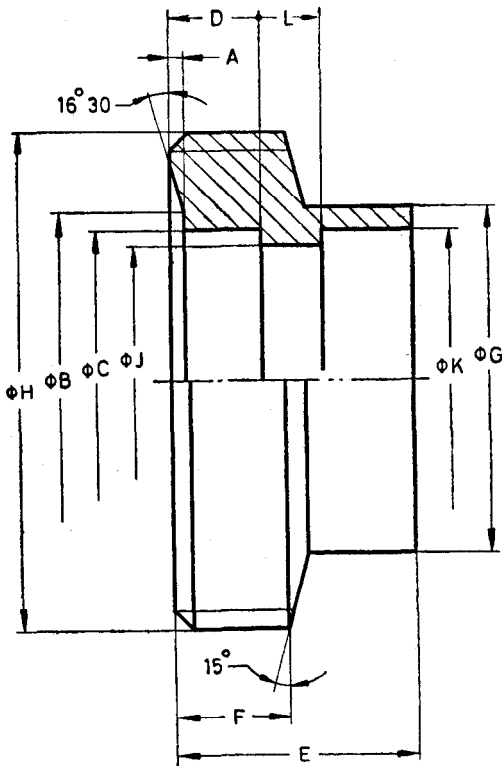


Indian Standard



SPECIFICATION FOR
QUICK-RELEASE COUPLINGS FOR VACUUM PIPELINES
PART I SCREWED TYPE

- 1. Scope**— Specifies the dimensions of quick-release couplings of the screwed type as used in vacuum technology, as well as those of the 'O' rings and the insert which are associated with these couplings to ensure coupling tightness. General information regarding the assembly of the coupling is given in Appendix A.
- 2. Dimensions**
- 2.1 Coupling**



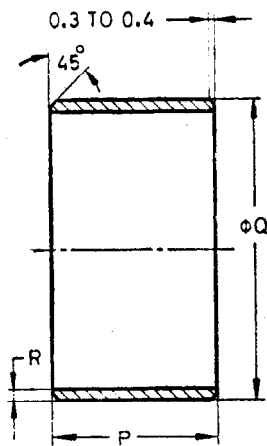
Note — A surface finish of at least 1.6 µm for the sealing surface should be used.
All dimensions in millimetres.

Nominal Bore	A h11	B js13	C B11	D	E Min	F	G Max	H (see IS : 2643-1964*)	J	K B11	L	Tube Outside Diameter†
10	0.9	17.5	15.0	6	16	7.5	18	G1B	13	14.0	4	14.0
16	0.9	22.5	20.0	6	16	7.5	23	G1B	18	20.0	4	20.0
25	1.15	31.0	28.0	6	19	7.5	32	G1½B	26	28.0	7	28.0
40	1.15	46.0	42.5	6	22	7.5	46	G2B	40	42.5	10	42.4

*Dimensions for pipe threads for fastening purposes.
†These values are for guidance only.

Chemical Engineering Sectional Committee, EDC 57; Panel for Standardization of Vacuum Equipment EDC 57/P-2 [Ref: Doc : EDC 57 (2609)]

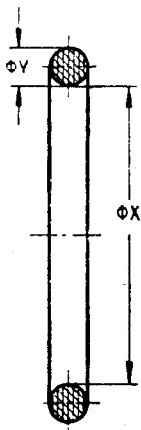
2.2 Insert



All dimensions in millimetres.

Nominal Bore	P	Q j _s 6	R Min
10	11.0	14.9	0.5
16	11.0	19.9	0.75
25	11.0	27.9	0.75
40	11.0	41.9	1.00

2.3 'O' Ring



All dimensions in millimetres.

Nominal Bore	X	Y
10	14.6	2.4
16	19.6	2.4
25	27.5	3.0
40	41.5	3.0

Note — 'O' Ring should have a shore hardness of 65° shore.

3. **Designation** — A coupling of nominal bore 10 shall be designated as:

Coupling 10 IS : 8262

4. **Marking** — Manufacturer's name or trade-mark, size, year of manufacture.

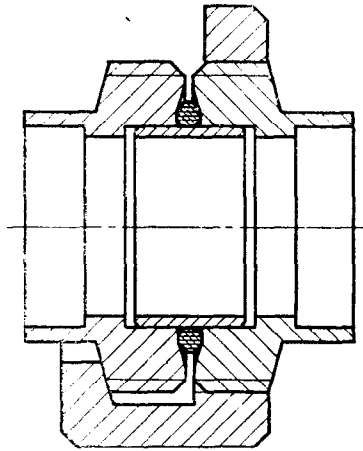
4.1 *ISI Certification Marking* — Details available with the Indian Standards Institution.

APPENDIX A

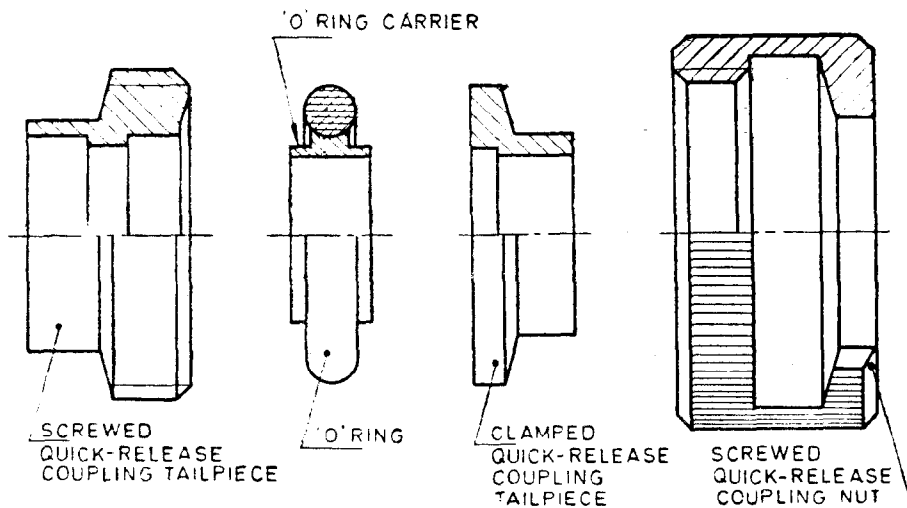
(Clause 1)

ASSEMBLY OF CLAMPED AND SCREWED QUICK-RELEASE COUPLINGS

A-1. **Screwed Quick-release Coupling** — The assembly is shown below:



A-2. **Screwed-to-Clamped Quick-release Couplings** — The screwed quick-release coupling is interchangeable with the clamped quick-release coupling tailpiece conforming to IS : 8262 (Part II)-1976 ' Specification for quick-release couplings for vacuum pipelines: Part II Clamped type '.



EXPLANATORY NOTE

This standard (Part I) is based on ISO/DIS 2861/II 'Vacuum technology — Quick release couplings — Dimensions — Part II Screwed type' issued by the International Organization for Standardization.